FIBER REINFORCED PLASTIC VACUUM VESSEL

Publication number: JP61021471
Publication date: 1986-01-30
Inventor: MARUYAMA YOSHIHIRO; IEIZUMI YUTAKA
Applicant: MITSUBISHI ELECTRIC CORP
Classification:
- International: ***B32B1/02; B01J3/00; F04B37/16; F16J12/00;*** **B32B1/00; B01J3/00; F04B37/00; F16J12/00;** (IPC1-7): B01J3/04; B32B1/02; F04B37/16; F16J12/00
- European: B01J3/00F; F16J12/00
Application number: JP19840140263 19840706
Priority number(s): JP19840140263 19840706

Abstract of **JP61021471**

PURPOSE:To check gas permeation in and out of a vessel as well as to exhaust the vessel inside into a high vacuum, by attaching a gas screening film onto the surface of an innermost layer of laminating, in case of a device having a vessel wall made up of laminating sheetlike fiber reinforced plastic molding materials. CONSTITUTION:A vessel wall 7 forming a vessel body 1, a flange part 3, a cover 4 and a vacuum pump setting flange part 6 or the like is made up of laminating each of fiber reinforced plastic layers 8. In this case, when these fiber reinforced plastic layers 8 are made up of laminating sheetlike fiber reinforced plastic molding materials including prepreg and the like, a gas screening film 9 is attached onto the surface of an innermost layer of laminating, and layered with one after another and hardened, thus the vessel wall 7 is produced. According to this method, supposing that the inside of the vessel body 1 is made into vacuousness, even when gas remains between layers of the vessel wall 7, it is screened by the gas screening film 9 so that no deaeration occurs any longer. Also gas permeation from the outside will not happe there, thus the inside of the vessel body 1 is maintainable in a high vacuum.